



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010537
CERTIFICATION DATE: September 24, 2013
DATE RECERTIFICATION DUE: March 23, 2014

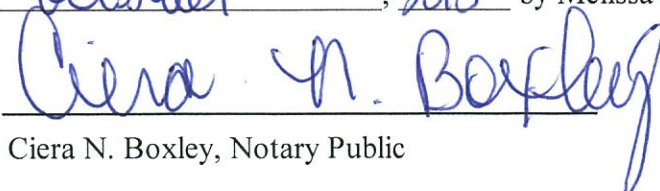
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

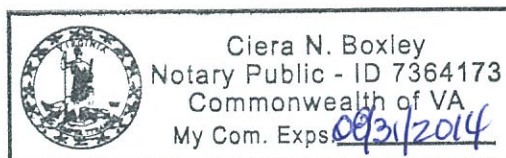
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 4th day of October, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLV



DBH
WHL

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/26/2013**

Instrument Serial Number: 010537

As of 26-Sep-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
24-Sep-13	24-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
24-Apr-13	24-Apr-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
20-Nov-12	16-Nov-12	HMS (18910)	REPLACED UPS BACK-UP BATTERY.
16-Nov-12	16-Nov-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
06-Jun-12	06-Jun-12	DBH (21250)	CERTIFIED
20-Dec-11	20-Dec-11	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
07-Jul-11	07-Jul-11	DBH (21250)	CERTIFIED
28-Jan-11	28-Jan-11	DBH (21250)	CERTIFIED
11-Aug-10	11-Aug-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
03-May-10	03-May-10	DBH (21250)	CERTIFIED
16-Feb-10	16-Feb-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
28-Aug-09	28-Aug-09	DBH (21250)	CERTIFIED.
12-Mar-09	12-Mar-09	DBH (21250)	CERTIFIED.
05-Mar-09	05-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
11-Dec-08	11-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
msh

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010537 Worksheet Start Date 9/24/2013

Location Portsmouth PD

Address 711 Crawford St Portsmouth VA 23704

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Old serial no.	New serial no.	Supplies
E-Seek			Mouthpieces 125
Keyboard			Certificates of Analysis 100
Printer			Operator Worksheet 150
UPS			Other:

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010537

Certification Date 9/24/2013

Instrument Barometer (mm HG) 760

Reference Barometer (mm HG) 765

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.250	0.242	0.257	Sample 2	0.248
Precision		sample min	sample max	Sample 3	0.247
0.001		0.247	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.150	0.145	0.154	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG226201-29

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Donald B Hall

Date

9/26/13

Issuing Analyst

Melissa Kennedy

Date

10/3/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	09/24/2013
TEST EQUIPMENT NUMBER		
010537		

RESULTS: TIME SAMPLE TAKEN 11:38 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 ____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 25 Sep 2013 at 08:41

DBH

NRK

Test Results

Instrument Serial Number 010537

Test # 001307 Subject Test

Test Location 1 Department of
Test Date 24 Sep 2013

Test Location 2 Forensic Science
Test Time 11:32
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 24 Sep 2013 End Time 11:40

Result Time 11:38

Result Date 24 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:33

Data Type BLK

Sample Value 0.000

Sample Time 11:33

Data Type CHK

Sample Value 0.102

Sample Time 11:34

Data Type BLK

Sample Value 0.000

Sample Time 11:35

Data Type SUBJ

Sample Value 0.000

Sample Time 11:36

Data Type BLK

Sample Value 0.000

Sample Time 11:37

Data Type SUBJ

Sample Value 0.000

Sample Time 11:38

Data Type BLK

Sample Value 0.000

Sample Time 11:39

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG226201-29

Standard Expiration Date 09/18/2014

Tank Pressure 713

Barometric Pressure 760 mmHg

Blow Sample Number 1 Blow Duration 3.55 sec

Blow Volume 1901 cc End-of-Blow Time 11:36

Blow Sample Number 2 Blow Duration 3.45 sec

Blow Volume 1858 cc End-of-Blow Time 11:38

Tamper Evident Stamp fd4cd47e

Test Status Code 0

Test Status Success

DBH

INTOX EC/1K-11: Accuracy Check

WHL

Department of Forensic Science

Serial Number: 010537 Test Number: 1308

Test Date: 09/24/2013 Test Time: 11:42 EDT

Dry Gas Target: 0.100

Lot Number: AG226201-29 Exp Date: 09/18/2014

Tank Pressure: 108 psi Barometric Pressure: 160 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:43
CHK	0.102	11:44
BLK	0.000	11:45
CHK	0.102	11:46
BLK	0.000	11:47
CHK	0.102	11:48

Test Status: Success

Calibration CRC: 1F35DD35

Intox EC/IR-11: Accuracy Check

WJL

Department of Forensic Science

Serial Number: 010531 Test Number: 1309

Test Date: 09/24/2013 Test Time: 11:53 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 325 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:54
CHK	0.304	11:55
BLK	0.000	11:57
CHK	0.303	11:57
BLK	0.000	11:59
CHK	0.302	12:00

Test Status: Success

Calibration CRC: 1F35DD35

INTOX EC/1K-11: Software Version

Department of Forensic Science

Serial Number: 010537

System Date: 09/24/2013

System Time: 12:30 EDT

Software Version: VS00333-K

Software CRC: 36745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

MSK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010537 Test Number: 1310

Test Date: 09/24/2013 Test Time: 12:33 EDT

Dry Gas Target: 0.100

Lot Number: 06512100I3-05 Exp Date: 04/01/2014

Tank Pressure: 414 psi Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:34
CAL	0.100	12:34

Test Status: *Success*

Calibration CRC: 6B8E7224

DBH

Wdk

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010537 Test Number: 1311
Test Date: 09/24/2013 Test Time: 12:37 EDT

Technician Initials: DBH

Dry Gas Target: 0.250

Lot Number: 2961225012-10 Exp Date: 11/01/2014
Tank Pressure: 242 psi Barometric Pressure: 760 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:38
BLK	0.000	12:39
CHK	0.248	12:39
BLK	0.000	12:41
CHK	0.247	12:41
BLK	0.000	12:43
CHK	0.247	12:44
BLK	0.000	12:45

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

ASR

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010537 Test Number: 1312
Test Date: 09/24/2013 Test Time: 12:48 EDT

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 2951215012-03 Exp Date: 11/01/2014
Tank Pressure: 1007 psi Barometric Pressure: 759 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:48
BLK	0.000	12:49
CHK	0.149	12:50
BLK	0.000	12:51
CHK	0.149	12:52
BLK	0.000	12:53
CHK	0.149	12:54
BLK	0.000	12:55

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

11/2/13

Serial Number: 010537 Test Number: 1313
Test Date: 09/24/2013 Test Time: 12:58 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014
Tank Pressure: 208 psi Barometric Pressure: 759 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:58
BLK	0.000	12:59
CHK	0.080	13:00
BLK	0.000	13:01
CHK	0.080	13:02
BLK	0.000	13:03
CHK	0.080	13:04
BLK	0.000	13:05

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010537 Test Number: 1314
Test Date: 09/24/2013 Test Time: 13:07 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014
Tank Pressure: 115 psi Barometric Pressure: 759 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:08
BLK	0.000	13:08
CHK	0.019	13:09
BLK	0.000	13:10
CHK	0.019	13:11
BLK	0.000	13:12
CHK	0.019	13:13
BLK	0.000	13:14

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-11: Accuracy Check

DBH

Department of Forensic Science

WKL

Serial Number: 010537 Test Number: 1315

Test Date: 09/24/2013 Test Time: 13:17 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 316 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:19
CHK	0.301	13:19
BLK	0.000	13:21
CHK	0.301	13:22
BLK	0.000	13:23
CHK	0.301	13:24

Test Status: Success

Calibration CRC: 6B8E7224

Intox EC/IR-II: Accuracy Check

DBH
10/1/13

Department of Forensic Science

Serial Number: 010537 Test Number: 1316

Test Date: 09/24/2013 Test Time: 13:27 EDT

Dry Gas Target: 0.100

Lot Number: AG226201-29 Exp Date: 09/18/2014

Tank Pressure: 688 psi Barometric Pressure: 759 mmHg

System Check: *Passed*

MAL

Test	g/210L	Time
BLK	0.000	13:27
CHK	0.100	13:28
BLK	0.000	13:30
CHK	0.100	13:30
BLK	0.000	13:32
CHK	0.100	13:32

Test Status: *Success*

Calibration CRC: 6B8E7224




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/24/2013
TEST EQUIPMENT NUMBER 010537		

RESULTS: TIME SAMPLE TAKEN 13:41 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 25 Sep 2013 at 08:41

DBH

mm

Test Results

Instrument Serial Number 010537

Test # 001317 Subject Test

Test Location 1 Department of
Test Date 24 Sep 2013

Test Location 2 Forensic Science
Test Time 13:35
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 24 Sep 2013 End Time 13:43

Result Time 13:41

Result Date 24 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:35

Data Type BLK

Sample Value 0.000

Sample Time 13:36

Data Type CHK

Sample Value 0.100

Sample Time 13:37

Data Type BLK

Sample Value 0.000

Sample Time 13:38

Data Type SUBJ

Sample Value 0.000

Sample Time 13:39

Data Type BLK

Sample Value 0.000

Sample Time 13:40

Data Type SUBJ

Sample Value 0.000

Sample Time 13:41

Data Type BLK

Sample Value 0.000

Sample Time 13:42

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG226201-29

Standard Expiration Date 09/18/2014

Tank Pressure 683

Barometric Pressure 759 mmHg

Blow Sample Number 1 Blow Duration 3.30 sec

Blow Volume 1706 cc End-of-Blow Time 13:39

Blow Sample Number 2 Blow Duration 3.39 sec

Blow Volume 1861 cc End-of-Blow Time 13:41

Tamper Evident Stamp f27e93f3

Test Status Code 0

Test Status Success